<u>Amendments to the Claims:</u>

This listing of claims will replace all prior versions, and listings, of claims in the application:

<u>Listing of Claims:</u>

1.   (Currently Amended) A method for summarizing a news video stream using a synthetic key frame based upon video text, the method comprising ~~the steps of~~:

identifying the kind of~~extracting~~ text regions ~~extracted~~ from a news video stream containing a plurality of articles;

<u>identifying the extracted text regions by a type selected from a plurality of types;</u>

allocating <u>a </u>different weight to each text region based upon the identification <u>including at least said type</u>; and

generating a synthetic key frame by synthesizing each text region ~~into a key frame,~~ ~~if the each text region~~<u>which </u>has an importance measure of at least a certain value<u> into a key frame</u>.

2.   (Currently Amended) The method ~~for summarizing a news video stream using a synthetic key frame based upon video text~~according to claim 1, wherein ~~the~~each text region ~~is~~ <u>comprises </u>an icon text region or a general text region.

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3.   (Currently Amended) The method ~~for summarizing a news video stream using a synthetic key frame based upon video text~~ according to claim 2, wherein the icon text region is extracted from an anchor shot.

4.   (Currently Amended) The method ~~for summarizing a news video stream using a synthetic key frame based upon video text~~ according to claim 2, wherein the general text region is extracted from an episode shot.

5.   (Currently Amended) The method ~~for summarizing a news video stream using a synthetic key frame based upon video text~~ according to claim 1, wherein the key frame comprises one icon text region and at least one general text region.

6.   (Currently Amended) The method ~~for summarizing a news video stream using a synthetic key frame based upon video text~~ according to claim 1, wherein ~~the~~ a_key frame is generated ~~in the unit of~~ for each article of the plurality of articles.

7.   (Currently Amended) The method ~~for summarizing a news video stream using a synthetic key frame based upon video text~~ according to claim 1, wherein an importance measure

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is allocated to associated with an icon text region with a larger value is greater than an

importance measure associated with a general text region.

8.   (Currently Amended) The method for summarizing a news video stream using a

synthetic key frame based upon video text according to claim 1, wherein the an importance

measure is allocated to a general text region using the a weight determined according to based on

a weight determining factor.

9.   (Currently Amended) The method for summarizing a news video stream using a

synthetic key frame based upon video text according to claim 8, wherein the weight determining

factor includes the is based on a size of the text region, the a mean text size in the text region,

and the a display duration time of associated with the text region.

10.   (Currently Amended) The method for summarizing a news video stream using a

synthetic key frame based upon video text according to claim 8, wherein the weight is

determined in proportion to the weight determining factor.

11.   (Currently Amended) The method for summarizing a news video stream using a

synthetic key frame based upon video text according to claim 11, wherein the text region

regions having an importance measure of at least a certain value is are selected for inclusion in

the synthetic key frame in the an order of higher importance.

12.   (Currently Amended) The method for summarizing a news video stream using a

synthetic key frame based upon video text according to claim 1, wherein the a number of text

regions and the a size of the text region are determined according to the a size of a browser.

13.   (Currently Amended) A method for summarizing a news video stream using a

synthetic key frame based upon video text of the news video stream, the method comprising the

following steps of:

        extracting text regions from said video text of the news video stream;

        identifying whether the text regions extracted from a the news video stream is an

icon text region;

        allocating the highest importance measure measures to the icon text region, if the

text regions is the icon, wherein the highest importance measure is allocated to a text region;

allocating which is identified as an icon text region, and corresponding importance measures are

allocated to text regions identified as general text regions, if the text region are not the icon text

region;

selecting text regions to be synthesized from the general text regions in the order

of high importance; and

synthesizing the icon text region and the selected general text regions to be

synthesized into a key frame.

14.   (Currently Amended) The method for summarizing a news video stream using a

synthetic key frame based upon video text according to claim 13, wherein the icon text region is

extracted from an anchor shot.

15.   (Currently Amended) The method for summarizing a news video stream using a

synthetic key frame based upon video text according to claim 13, wherein the icon text region

represents one article.

16.   (Currently Amended) The method for summarizing a news video stream using a

synthetic key frame based upon video text according to claim 13, wherein the general text region

is extracted from an episode shot.

17.   (Currently Amended) The method for summarizing a news video stream using a

synthetic key frame based upon video text according to claim 13, wherein each of the

importance measures of the general text region is allocated using a weight determined according

to based on a weight determining factor.

18.   (Currently Amended) The method for summarizing a news video stream using a

synthetic key frame based upon video text according to claim 17, wherein the weight

determining factor includes the a size of the text region, the a mean text size in the text region,

and the display duration time of associated with the text region.

19.   (New) The method according to claim 1, wherein the plurality of types comprises

at least a first and a second type, and wherein a type identified for a particular text region is

determined based on a type of shot from which the particular text region is extracted.

20.   (New) The method according to claim 1, further comprising generating a key

frame for each article of the plurality of articles wherein, the key frame comprises one icon text

region extracted from an anchor shot and at least one general text region extracted from an

episode shot.

21.   (New) A method for summarizing a video stream, comprising:

extracting text regions from a video stream;

identifying the extracted text regions by a type selected from a plurality of types;

allocating a different weight to each text region and synthesizing selected text regions into

a synthetic key frame based on associated importance measures; and

generating a table of contents based on the synthetic key frame.